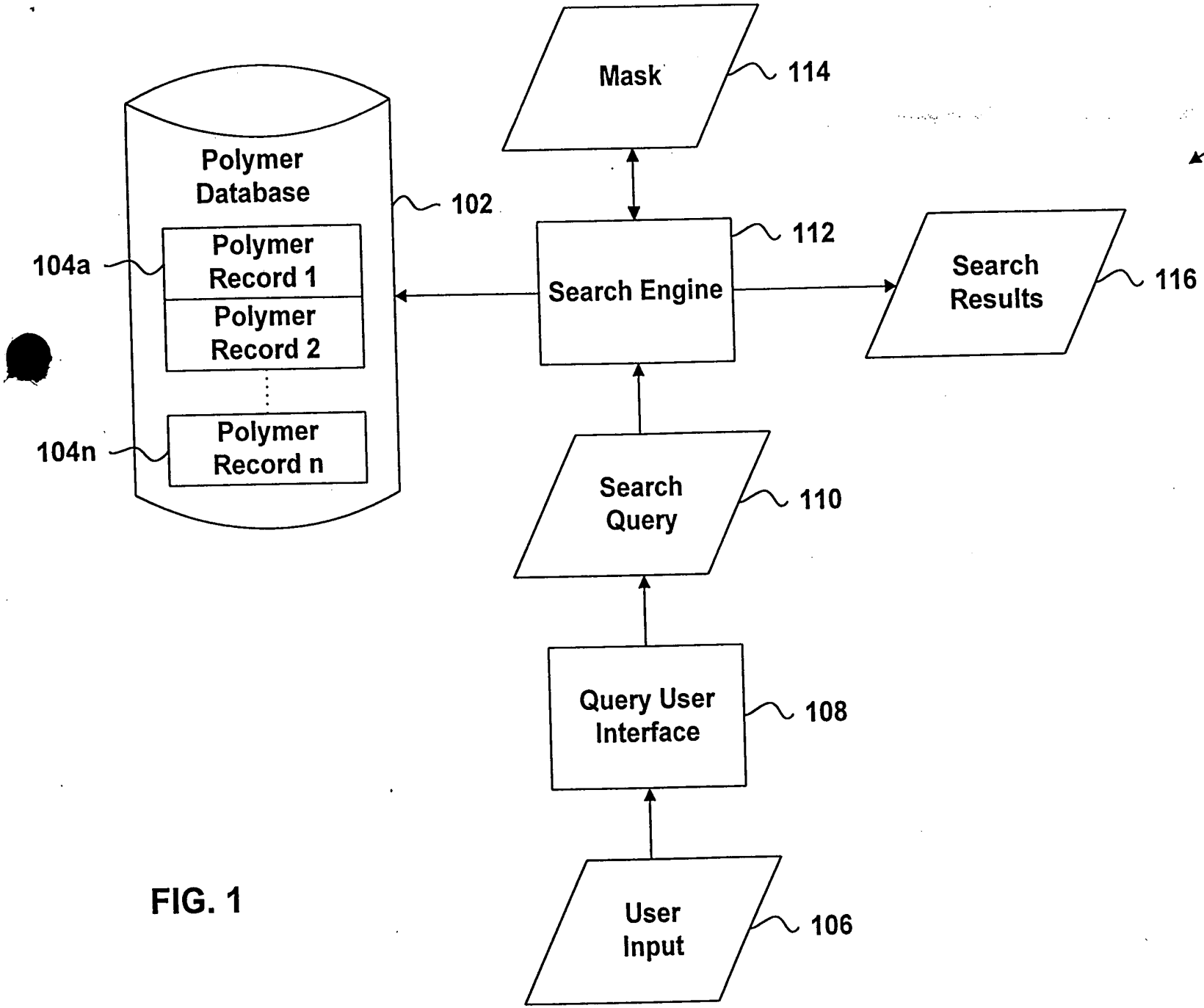
Mask
114
100
Polymer
Database
102
Polymer
Record 1
104a
Polymer
Record 2
Search Engine
112
Search
Results
116
Polymer
Record n
104n
Search
Query
110
Query User
Interface
108
User
Input
106

FIG. 1

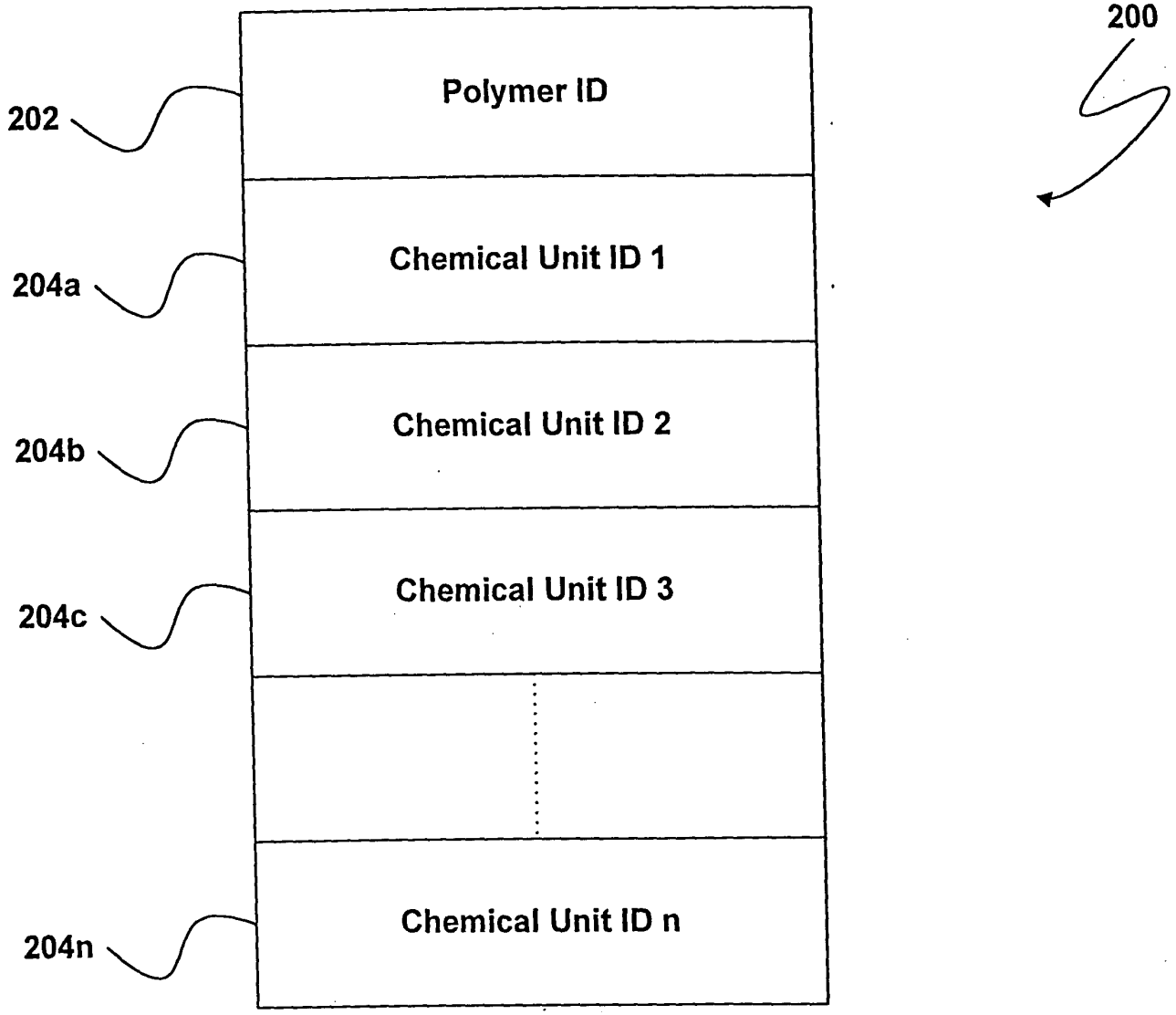
200
202
Polymer ID
204a
Chemical Unit ID 1
204b
Chemical Unit ID 2
204c
Chemical Unit ID 3
204n
Chemical Unit ID n

FIG. 2A

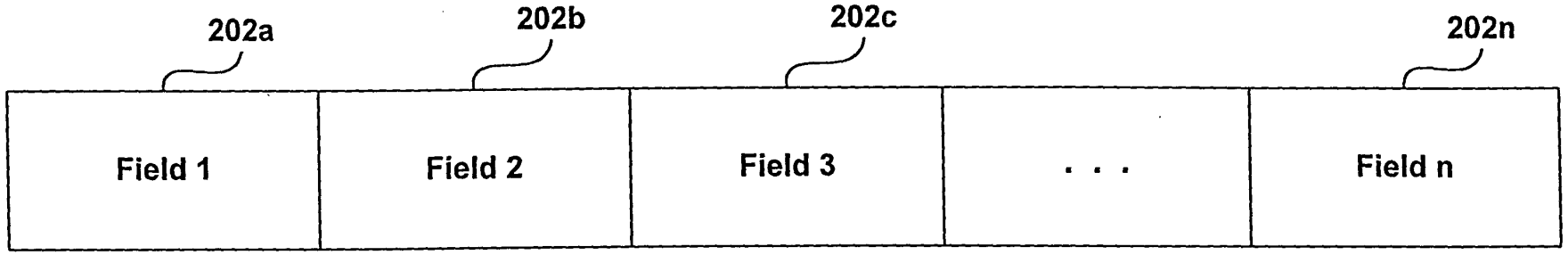
202a
202b
202c
202n
Field 1
Field 2
Field 3
. . .
Field n
202

FIG. 2B

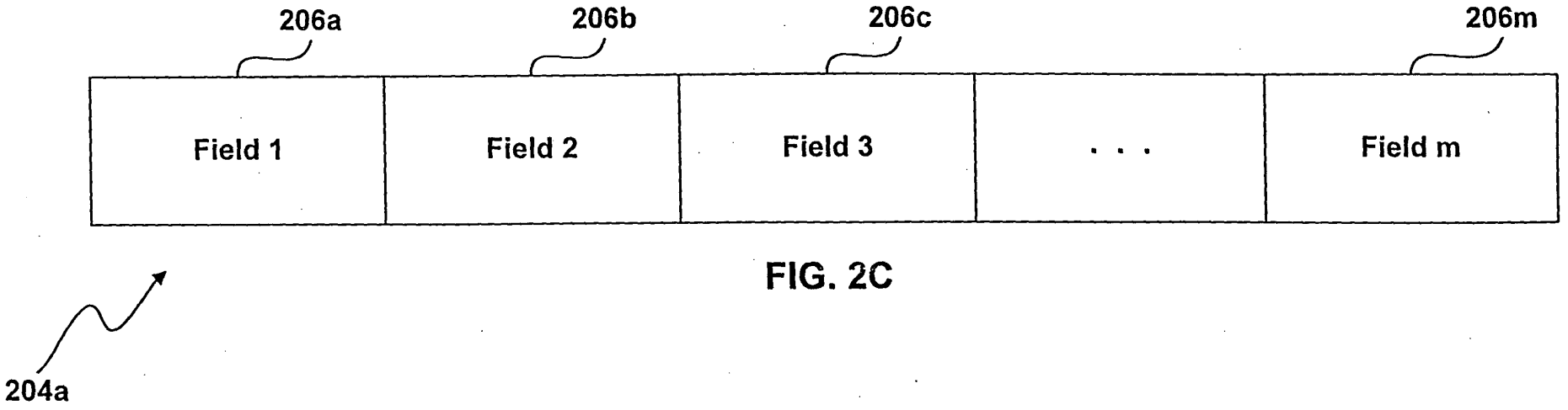
206a
206b
206c
206m
Field 1
Field 2
Field 3
. . .
Field m
204a

FIG. 2C

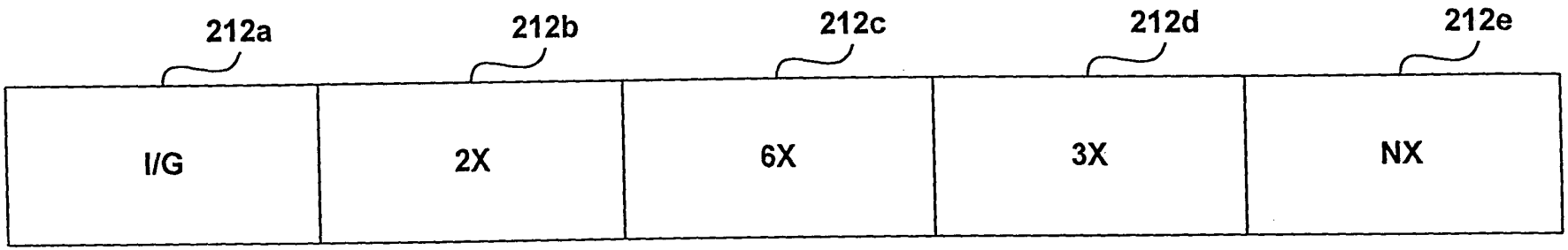

FIG. 2D

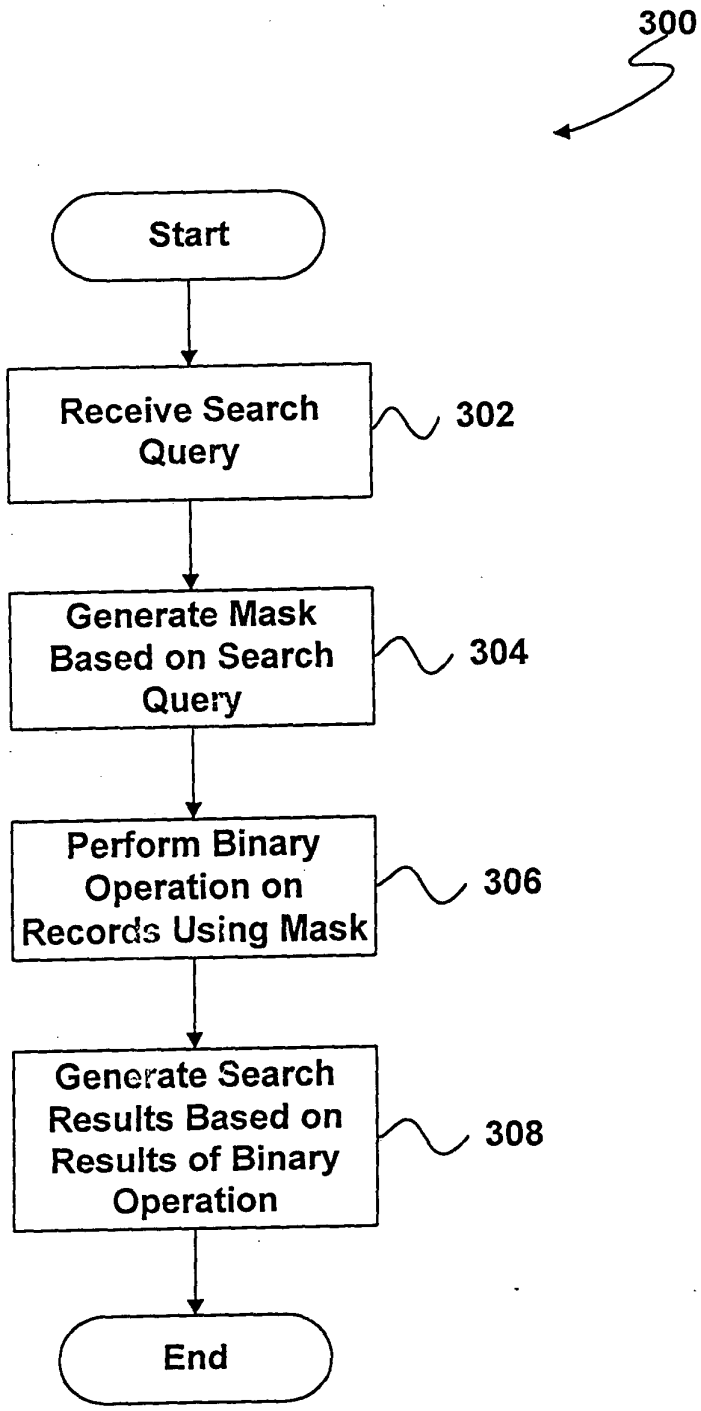
300
Start
Receive Search Query
302
Generate Mask Based on Search Query
304
Perform Binary Operation on Records Using Mask
306
Generate Search Results Based on Results of Binary Operation
308
End

FIG. 3